

# **Appendix 5-10: STA Herbicide Application Summary for Water Year 2008**

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## WATER YEAR 2008 SUMMARY OF HERBICIDE APPLICATION IN THE STAs

Floating vegetation in the Stormwater Treatment Areas (STAs) consists of water hyacinth and water lettuce and is controlled using Reward®, a contact herbicide. Reward® is the product name, with diquat as the active ingredient. During Water Year 2008 (WY2008) (May 1, 2007–April 30, 2008), the acres of plants and the amount of Reward® (in gallons) that was applied in each STA are as follows:

STA	Acres	Reward® (gallons)
STA-1 West	1,513	277.50
STA-1 East	2,257	431.00
STA-2	91	12.00
STA-3/4	782	240.25
STA-5	290	112.00
STA-6	0	0

Emergent vegetation in the STAs consists of numerous species, such as cattail, torpedograss, paragrass, primrose willow, pigweed, water primrose, and other species. These plants are controlled using systemic herbicides including Habitat®, Renovate®, glyphosate, and 2,4-dichlorophenoxyacetic acid (2, 4-D). Habitat® is a product name, with imazapyr as the active ingredient. Renovate® is also a product name, with triclopyr as the active ingredient. Glyphosate and 2, 4-D are active ingredients that are formulated in several different products. When areas of the STAs were dried out, a product called Escort XP®, with metsulfuron as the active ingredient, was applied in some areas to treat willow. During WY2008, the acres of emergent plants and the amounts of specific chemicals that were applied in each STA are as follows:

STA	Acres	Glyphosate (gallons)	Habitat (gallons)	Renovate (gallons)	Escort XP (pounds)	2, 4-D (gallons)
STA-1 West	4,317	1,242	518.00	1106.0	0	69.2
STA-1 East	1,960	1,022	231.00	347.0	0	5.2
STA-2	782	789	166.25	0	0	0
STA-3/4	4,203	2,764	184.00	15.5	50.00	156.0
STA-5	1,659	1,582	272.75	2.5	25.00	0
STA-6	694	404	106.80	146.2	18.75	0